

**Amendments to the Claims**

1 Claim 1 (currently amended): A method of detecting potential theft, comprising steps of:

2 ~~programmatically comparing data~~ computing a first checksum over selected portions of  
3 data stored in a radio frequency identification ("RFID") tag on merchandise for which a sales  
4 receipt is provided;

5 programmatically comparing the first checksum to a previously-computed second  
6 checksum to data written on ~~[[a]]~~ the sales receipt, the second checksum computed over  
7 corresponding selected portions of data stored in RFID tags on merchandise previously presented  
8 at a point of sale; and

9 concluding that a potential theft is detected if the comparing step finds that the ~~[[data]]~~  
10 first checksum stored in the RFID on the merchandise does not match the ~~[[data]]~~ second  
11 checksum written on the sales receipt.

Claim 2 (canceled)

1 Claim 3 (original): The method according to Claim 1, wherein the data stored in the RFID tag  
2 comprises a unique item identifier of the tagged merchandise.

1 Claim 4 (original): The method according to Claim 1, wherein the data stored in the RFID tag  
2 comprises a stock-keeping unit ("SKU") and a unique item serial number of the tagged  
3 merchandise.

Serial No. 10/665,282

-5-

RSW920030126US1

1 Claim 5 (original): The method according to Claim 1, wherein the data stored in the RFID tag  
2 comprises an Electronic Product Code ("EPC") that uniquely identifies the tagged merchandise.

Claim 6 (canceled)

1 Claim 7 (currently amended): A method of preparing information usable in theft detection using  
2 radio frequency identification ("RFID") technology on a transaction receipt, comprising steps of:  
3 reading, for each of one or more items presented for purchase, identifying information  
4 previously stored in an RFID tag affixed thereto;  
5 computing a first checksum over selected portions of the identifying information that has  
6 been read for each item; and  
7 storing the first checksum in an RFID tag affixed to a transaction receipt corresponding to  
8 the purchase, such that the first checksum can subsequently be compared to a second checksum  
9 to be computed over corresponding selected portions of identifying information stored in an  
10 RFID tag affixed to each of one or more items possessed by a shopper who possesses the  
11 transaction receipt in order to determine whether the items possessed by the shopper are those  
12 which were presented for the purchase represented by the transaction receipt.

1 Claim 8 (currently amended): The method according to Claim 7, further comprising the steps of:  
2 reading, for each of ~~the one or more items~~ possessed by ~~[[a]] the~~ shopper, ~~the~~ identifying  
3 information ~~previously~~ stored in ~~[[an]] the~~ RFID tag affixed thereto;  
4 reading, from the RFID tag affixed to the transaction receipt, the first checksum;

Serial No. 10/665,282

-6-

RSW920030126US1

5 computing a second checksum over the corresponding selected portions of the identifying  
6 information that has been read for each item possessed by the shopper; and

7 concluding that some of the possessed items were not paid for in the purchase if the first  
8 checksum is not identical to the second checksum.

1 Claim 9 (currently amended): The method according to Claim 8, further comprising the step of  
2 programmatically remembering each item that was in the shopper's possession when the shopper  
3 entered an establishment in which the purchase ~~a transaction represented by the transaction~~  
4 ~~receipt was conducted by detecting identifying information previously stored in an RFID tag~~  
5 affixed thereto, and wherein the step of computing a second checksum and the concluding step  
6 omit do not apply to the remembered items.

1 Claim 10 (original): A method of detecting potential theft using radio frequency identification  
2 ("RFID") technology on a transaction receipt, comprising steps of:

3 reading, for each of one or more items possessed by a shopper, identifying information  
4 previously stored in an RFID tag affixed thereto;

5 reading, from a transaction receipt possessed by the shopper, a first checksum previously  
6 computed over selected portions of identifying information read from an RFID tag affixed to  
7 each of one or more items presented by the shopper for purchase;

8 computing a second checksum over selected portions of the identifying information that  
9 has been read for each item possessed by the shopper; and

10 concluding that some of the possessed items were not paid for if the first checksum is not

Serial No. 10/665,282

-7-

RSW920030126US1

11 identical to the second checksum.

1 Claim 11 (original): The method according to Claim 10, wherein the selected portions of the  
2 identifying information that has been read for each item possessed by the shopper comprises at  
3 least a unique item identifier for each item.

1 Claim 12 (original): The method according to Claim 10, wherein the first checksum is stored in,  
2 and read from, an RFID tag affixed to the transaction receipt.

1 Claim 13 (original): The method according to Claim 10, further comprising the step of  
2 remembering each item that was in the shopper's possession when the shopper entered an  
3 establishment in which a transaction represented by the transaction receipt was conducted, and  
4 wherein the step of computing a second checksum and the concluding step do not apply to the  
5 remembered items.

1 Claim 14 (original): A method of detecting potential theft, comprising steps of:  
2 computing a checksum over identifying information for each of one or more presented  
3 items, wherein the identifying information is read from a radio frequency identification ("RFID")  
4 tag affixed to each of the presented items;  
5 storing the computed checksum in an RFID tag affixed to a receipt associated with the  
6 presented items;  
7 subsequently presenting one or more items and the receipt;

Serial No. 10/665,282

-8-

RSW920030126US1

8 determining whether the subsequently-presented items are associated with the receipt,  
9 further comprising the steps of:

10 computing a new checksum over corresponding identifying information for each  
11 of the one or more subsequently-presented items, wherein the identifying information for each of  
12 the subsequently-presented items is read from an RFID tag affixed thereto; and

13 concluding that the subsequently-presented items are not associated with the  
14 receipt, if the checksum is not equal to the new checksum; and

15 charging a fee for carrying out one or more of the computing, storing, and determining  
16 steps.

1 Claim 15 (currently amended): A system for detecting potential theft, comprising:

2 means for programmatically computing a first checksum over selected portions of  
3 comparing data stored in a radio frequency identification ("RFID") tag on merchandise for which  
4 a sales receipt is provided;

5 means for programmatically comparing the first checksum to a previously-computed  
6 second checksum to data written on [[a]] the sales receipt, the second checksum computed over  
7 corresponding selected portions of data stored in RFID tags on merchandise previously presented  
8 at a point of sale; and

9 means for concluding that a potential theft is detected if the means for comparing finds  
10 that the ~~[[data]] first checksum stored in the RFID on the merchandise does not match the~~  
11 ~~[[data]] second checksum~~ written on the sales receipt.

Claim 16 (canceled)

1 Claim 17 (original): The system according to Claim 15, wherein the data stored in the RFID tag  
2 comprises a unique item identifier of the tagged merchandise.

1 Claim 18 (original): The system according to Claim 15, wherein the data stored in the RFID tag  
2 comprises a stock-keeping unit ("SKU") and a unique item serial number of the tagged  
3 merchandise.

1 Claim 19 (original): The system according to Claim 15, wherein the data stored in the RFID tag  
2 comprises an Electronic Product Code ("EPC") that uniquely identifies the tagged merchandise.

Claim 20 (canceled)

1 Claim 21 (currently amended): A system for preparing information usable in theft detection  
2 using radio frequency identification ("RFID") technology on a transaction receipt, comprising:  
3 means for reading, for each of one or more items presented for purchase, identifying  
4 information previously stored in an RFID tag affixed thereto;  
5 means for computing a first checksum over selected portions of the identifying  
6 information that has been read for each item; and  
7 means for storing the first checksum in an RFID tag affixed to a transaction receipt  
8 corresponding to the purchase, such that the first checksum can subsequently be compared to a

Serial No. 10/665,282

-10-

RSW920030126US1

9 second checksum to be computed over corresponding selected portions of identifying  
10 information stored in an RFID tag affixed to each of one or more items possessed by a shopper  
11 who possesses the transaction receipt in order to determine whether the items possessed by the  
12 shopper are those which were presented for the purchase represented by the transaction receipt.

1 Claim 22 (currently amended): The system according to Claim 21, further comprising:  
2 means for reading, for each of ~~the one or more items~~ possessed by ~~[[a]] the shopper, the~~  
3 identifying information ~~previously stored in [[an]] the~~ RFID tag affixed thereto;  
4 means for reading, from the RFID tag affixed to the transaction receipt, the first  
5 checksum;  
6 means for computing a second checksum over the corresponding selected portions of the  
7 identifying information that has been read for each item possessed by the shopper; and  
8 means for concluding that some of the possessed items were not paid for in the purchase  
9 if the first checksum is not identical to the second checksum.

1 Claim 23 (currently amended): The system according to Claim ~~[[21]]~~ 22, further comprising  
2 means for programmatically remembering each item that was in the shopper's possession when  
3 the shopper entered an establishment in which the purchase ~~a transaction represented by the~~  
4 ~~transaction receipt was conducted by detecting identifying information previously stored in an~~  
5 RFID tag affixed thereto, and wherein the means for computing a second checksum and the  
6 means for concluding omit do not apply to the remembered items.

1 Claim 24 (original): A system for detecting potential theft using radio frequency identification  
2 ("RFID") technology on a transaction receipt, comprising:

3 means for reading, for each of one or more items possessed by a shopper, identifying  
4 information previously stored in an RFID tag affixed thereto;

5 means for reading, from a transaction receipt possessed by the shopper, a first checksum  
6 previously computed over selected portions of identifying information read from an RFID tag  
7 affixed to each of one or more items presented by the shopper for purchase;

8 means for computing a second checksum over selected portions of the identifying  
9 information that has been read for each item possessed by the shopper; and

10 means for concluding that some of the possessed items were not paid for if the first  
11 checksum is not identical to the second checksum.

1 Claim 25 (original): The system according to Claim 24, wherein the selected portions of the  
2 identifying information that has been read for each item possessed by the shopper comprises at  
3 least a unique item identifier for each item.

1 Claim 26 (original): The system according to Claim 24, wherein the first checksum is stored in,  
2 and read from, an RFID tag affixed to the transaction receipt.

1 Claim 27 (original): The system according to Claim 24, further comprising means for  
2 remembering each item that was in the shopper's possession when the shopper entered an  
3 establishment in which a transaction represented by the transaction receipt was conducted, and

Serial No. 10/665,282

-12-

RSW920030126US1



4 wherein the means for computing a second checksum and the means for concluding do not apply  
5 to the remembered items.

1 Claim 28 (currently amended): A computer program product for detecting potential theft, the  
2 computer program product embodied on one or more computer-readable media and comprising:  
3 computer-readable program code means for programmatically ~~comparing~~ computing a  
4 first checksum over selected portions of data stored in a radio frequency identification ("RFID")  
5 tag on merchandise for which a sales receipt is provided;

6 computer-readable program code means for programmatically comparing the first  
7 checksum to a previously-computed second checksum to data written on [[a]] the sales receipt,  
8 the second checksum computed over corresponding selected portions of data stored in RFID tags  
9 on merchandise previously presented at a point of sale; and

10 computer-readable program code means for concluding that a potential theft is detected if  
11 the computer-readable program code means for comparing finds that the first checksum [[data]]  
12 ~~stored in the RFID on the merchandise~~ does not match the [[data]] second checksum written on  
13 the sales receipt.

Claim 29 (canceled)

1 Claim 30 (original): The computer program product according to Claim 28, wherein the data  
2 stored in the RFID tag comprises a unique item identifier of the tagged merchandise.

Serial No. 10/665,282

-13-

RSW920030126US1

1 Claim 31 (original): The computer program product according to Claim 28, wherein the data  
2 stored in the RFID tag comprises a stock-keeping unit ("SKU") and a unique item serial number  
3 of the tagged merchandise.

1 Claim 32 (original): The computer program product according to Claim 28, wherein the data  
2 stored in the RFID tag comprises an Electronic Product Code ("EPC") that uniquely identifies the  
3 tagged merchandise.

Claim 33 (canceled)

1 Claim 34 (currently amended): A computer program product for preparing information usable in  
2 theft detection using radio frequency identification ("RFID") technology on a transaction receipt,  
3 the computer program product embodied on one or more computer-readable media and  
4 comprising:

5 computer-readable program code means for reading, for each of one or more items  
6 presented for purchase, identifying information previously stored in an RFID tag affixed thereto;

7 computer-readable program code means for computing a first checksum over selected  
8 portions of the identifying information that has been read for each item; and

9 computer-readable program code means for storing the first checksum in an RFID tag  
10 affixed to a transaction receipt corresponding to the purchase, such that the first checksum can  
11 subsequently be compared to a second checksum to be computed over corresponding selected  
12 portions of identifying information stored in an RFID tag affixed to each of one or more items

Serial No. 10/665,282

-14-

RSW920030126US1

13 possessed by a shopper who possesses the transaction receipt in order to determine whether the  
14 items possessed by the shopper are those which were presented for the purchase represented by  
15 the transaction receipt.

1 Claim 35 (currently amended): The computer program product according to Claim 34, further  
2 comprising:

3 computer-readable program code means for reading, for each of the one or more items  
4 possessed by [[a]] the shopper, the identifying information previously stored in [[an]] the RFID  
5 tag affixed thereto;

6 computer-readable program code means for reading, from the RFID tag affixed to the  
7 transaction receipt, the first checksum;

8 computer-readable program code means for computing a second checksum over the  
9 corresponding selected portions of the identifying information that has been read for each item  
10 possessed by the shopper; and

11 computer-readable program code means for concluding that some of the possessed items  
12 were not paid for in the purchase if the first checksum is not identical to the second checksum.

1 Claim 36 (currently amended): The computer program product according to Claim [[34]] 35,  
2 further comprising computer-readable program code means for programmatically remembering  
3 each item that was in the shopper's possession when the shopper entered an establishment in  
4 which the purchase a transaction represented by the transaction receipt was conducted by  
5 detecting identifying information previously stored in an RFID tag affixed thereto, and wherein

Serial No. 10/665,282

-15-

RSW920030126US1

6 the computer-readable program code means for computing a second checksum and the computer-  
7 readable program code means for concluding ~~omit do not apply to~~ the remembered items.

1 Claim 37 (original): A computer program product for detecting potential theft using radio  
2 frequency identification ("RFID") technology on a transaction receipt, the computer program  
3 product embodied on one or more computer-readable media and comprising:

4 computer-readable program code means for reading, for each of one or more items  
5 possessed by a shopper, identifying information previously stored in an RFID tag affixed thereto;

6 computer-readable program code means for reading, from a transaction receipt possessed  
7 by the shopper, a first checksum previously computed over selected portions of identifying  
8 information read from an RFID tag affixed to each of one or more items presented by the shopper  
9 for purchase;

10 computer-readable program code means for computing a second checksum over selected  
11 portions of the identifying information that has been read for each item possessed by the shopper;  
12 and

13 computer-readable program code means for concluding that some of the possessed items  
14 were not paid for if the first checksum is not identical to the second checksum.

1 Claim 39 (original): The computer program product according to Claim 37, wherein the selected  
2 portions of the identifying information that has been read for each item possessed by the shopper  
3 comprises at least a unique item identifier for each item.

1 Claim 39 (original): The computer program product according to Claim 37, wherein the first  
2 checksum is stored in, and read from, an RFID tag affixed to the transaction receipt.

1 Claim 40 (original): The computer program product according to Claim 37, further comprising  
2 computer-readable program code means for remembering each item that was in the shopper's  
3 possession when the shopper entered an establishment in which a transaction represented by the  
4 transaction receipt was conducted, and wherein the computer-readable program code means for  
5 computing a second checksum and the computer-readable program code means for concluding do  
6 not apply to the remembered items.